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Application Number	09/187,670 8/19 074
Filing Date	June 5, 2001
First Named Inventor	Ross et al.
Group Art Unit	2878
Examiner Name	C. Hannaher
Attorney Docket Number	VTN0423

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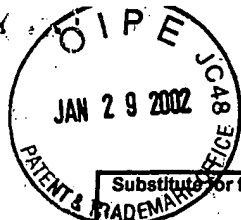
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 5

Application Number	09/819,074
Filing Date	June 5, 2001
First Named Inventor	Denwood F. Ross et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	VTN-0564

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
CH		3,666,885	A	Hemsley et al.	05-30-1972	
CH		3,692,985	A	Kalman	09-19-1972	
CH		3,770,989	A	Ansevin et al.	11-06-1973	
CH		3,820,899	A	McCormack	06-28-1974	
CH		3,904,294	A	Gold et al.	09-09-1975	
CH		3,988,068	A	Sprague	10-26-1976	
CH		4,002,823	B	Van Oosterhout	01-11-1977	
CH		4,158,502	A	Greiner et al.	06-19-1979	
CH		4,162,126	A	Nakagawa et al.	07-24-1979	
CH		4,209,252	A	Arditty et al.	06-24-1980	
CH		4,317,613	A	Grosser	03-02-1982	
CH		4,519,041	A	Fant et al.	05-21-1985	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				
		FR	2 433 767		Horst-Riesenberg	07-26-1970		
CH		JP	2 257 007		Seiko-Epson Company	10-17-1990		
CH		DE	0 063 761	A1	Haubold, Wolfgang	11-03-1982		
CH		DE	0 491 663	A1	Hofer, Peter	06-24-1992		
CH		GB	2 171 812	B	Michael Roy Killpatrick	09-03-1986		
CH		JP	59 160734	A	Matsushita Denki Sangyo K.K.	09-11-1984		

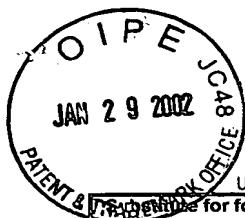
Examiner Signature	<b>CONSTANTINE HANNAHER</b>	Date Considered	MAY 20 2002
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Sheet 2 of 5

Application Number	09/819,074
Filing Date	June 5, 2001
First Named Inventor	Denwood F. Ross et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	VTN-0564

## U.S. PATENT DOCUMENTS

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		Number	Kind Code <sup>2</sup> (if known)			
CH		4,553,847	A	Lang	11-19-1985	
CH		4,691,231	A	Fitzmorris et al.	09-01-1987	
CH		4,733,360	A	Kobayashi et al.	03-22-1988	
CH		4,815,844	A	Schmalfluss et al.	03-28-1989	
CH		4,817,166	A	Gonzalez et al.	03-28-1989	
CH		4,825,263	A	Desjardins et al.	04-25-1989	
CH		5,039,459	A	Kindt-Larsen et al.	08-13-1991	
CH		5,066,120	A	Bertrand	11-19-1991	
CH		5,068,799	A	Jarrett Jr.	11-26-1991	
CH		5,080,839	A	Kindt-Larsen	01-14-1992	
CH		5,081,685	A	Jones, III et al.	01-14-1992	
CH		5,091,963	A	Litt et al.	02-25-1992	

## FOREIGN PATENT DOCUMENTS

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				
CH		JP	59 108934	A	Matsushita Denki Sangyo K.K.	06-23-1984		
CH		CN	2057832	AI	Ciba-Geigy Hoefer	06-20-1992		
CH		GB	2014725	A	Robert Bosch GMBH Denk	02-15-1979		
CH		EP	0070252	AI	Ciba-Geigy Silz	07-02-1982		
CH		DE	3621092	AI	Weber, Rudolf	01-07-1988		

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Sheet 3 of 5

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<b>First Named Inventor</b>	Denwood F. Ross et al.
<b>Group Art Unit</b>	
<b>Examiner Name</b>	
<b>Attorney Docket Number</b>	VTN-0564

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CH		5,094,609	A	Kindt-Laarsen	03-10-1992	
CH		5,123,735	A	Hegarty	06-23-1992	
CH		5,249,029	A	Sommer et al.	09-28-1993	
CH		5,164,462	A	Yang	11-17-1992	
CH		5,268,735	A	Hayashi	12-07-1993	
CH		5,399,692	A	Hung et al.	03-21-1995	
CH		5,466,768	A	Yang	11-14-1995	
CH		5,500,024	A	Hung et al.	03-19-1996	
CH		5,500,732	A	Ebel et al.	03-19-1996	
CH		5,574,554	A	Su et al.	11-12-1996	
CH		5,745,230	A	Edwards et al.	04-28-1998	
CH		5,633,504	A	Collins et al.	05-27-1997	

## FOREIGN PATENT DOCUMENTS

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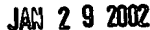
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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Sheet 4 of 5

<b>Application Number</b>	09/819,074
<b>Filing Date</b>	June 5, 2001
<b>First Named Inventor</b>	Denwood F. Ross et al.
<b>Group Art Unit</b>	
<b>Examiner Name</b>	
<b>Attorney Docket Number</b>	VTN-0564

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CH		5,528,878	A	Edwards et al.	06-25-1996	
CH		5,568,715	A	Ebel et al.	10-29-1996	
CH		5,578,331	A	Martin et al.	11-26-1996	
CH		5,626,000	A	Edwards et al.	05-06-1997	
CH		5,649,410	A	Martin et al.	07-22-1997	
CH		5,675,962	A	Martin et al.	10-14-1997	
CH		5,687,541	A	Martin et al.	11-18-1997	
CH		5,706,634	A	Edwards et al.	01-13-1998	
CH		5,749,205	A	Edwards et al.	05-12-1998	
		<del>5,260,576</del>		<del>Sommer, Jr. et al.</del>		
CH		3,942,900	A	Garris	03-09-1976	
CH		6,018,931	A	Byram et al.	02-01-2000	

## FOREIGN PATENT DOCUMENTS

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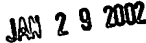
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Sheet 5 of 5

<b>Application Number</b>	09/819,074
<b>Filing Date</b>	June 5, 2001
<b>First Named Inventor</b>	Denwood F. Ross et al.
<b>Group Art Unit</b>	
<b>Examiner Name</b>	
<b>Attorney Docket Number</b>	VTN-0564

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CONSTANTINE HANNAHER

Date  
Considered

MAY 20 2002

Signature	<u>VERONIQUE HARRISON</u>	Considered	
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